



Secondary Career and Technical 7-12 Endorsement in Manufacturing Technology

[NAC 391.1309](#)

To receive an endorsement to teach secondary (7-12) manufacturing technology, a person must:

1. Complete the following required testing (or equivalent testing administered in another state):
 - Praxis Core Academic Skills for Educators
 - Principles of Learning and Teaching 7-12Please [visit the Praxis testing website](#) for further testing information.
2. Meet the Secondary 7-12 Career and Technical Education qualifications as specified in [NAC 391.120](#)
3. **For the comprehensive major:**

Thirty-six (36) semester credits required for a major in manufacturing technology **must** include course work in **each** of the following areas:

 - A. Acetylene welding
 - B. Electric arc welding
 - C. Machine tool operation
 - D. Metal fabrication-arc
 - E. Metal fabrication
 - F. Industrial metals;
 - G. Reading blueprints
 - H. Basic metals
 - I. Welding design and layout
 - J. Inspection testing
 - K. Advanced arc welding
 - L. GTAW (TIG) and GMAW (MIG) welding
4. **For the comprehensive minor:**

Twenty- four (24) semester credits required for a minor in manufacturing technology **must** include course work in **each** of the following areas:

 - A. Acetylene welding
 - B. Introduction to arc welding
 - C. Basic metals
 - D. Welding design and layout
 - E. Reading blueprints
 - F. Machine reading
 - G. Metal fabrication
 - H. Inspection testing